

# HORIZONTAL & VERTICAL CONTROL

Curve Data  
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Curve 1410  
 P.I. Station 663+06.6664 N 1,725,788.0096 E 2,119,974.2434  
 Delta = 2° 32' 58.66" (LT)  
 Degree = 0° 17' 27.82"  
 Tangent = 438.0597'  
 Length = 875.9749'  
 Radius = 19,685.0845'  
 External = 4.8736'  
 Long Chord = 875.9026'  
 Mid. Ord. = 4.8723'  
 P.C. Station 658+68.6067 N 1,725,350.4010 E 2,119,954.3680  
 P.T. Station 667+44.5816 N 1,726,226.0692 E 2,119,974.6322  
 C.C. N 1,726,243.5413 E 2,100,289.5555

Course from PT 1410 to 4530 0° 03' 03.08" Dist 5,911.8846'

Point 4530 N 1,732,137.9515 E 2,119,979.8795 Sta 726+56.4662

Course from 4530 to PC 370 0° 05' 05.81" Dist 2,343.1233'

Curve Data  
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Curve 370  
 P.I. Station 751+15.5795 N 1,734,597.0621 E 2,119,983.5254  
 Delta = 0° 54' 17.04" (RT)  
 Degree = 0° 23' 24.05"  
 Tangent = 115.9900'  
 Length = 231.9752'  
 Radius = 14,690.7184'  
 External = 0.4579'  
 Long Chord = 231.9728'  
 Mid. Ord. = 0.4579'  
 P.C. Station 749+99.5895 N 1,734,481.0722 E 2,119,983.3534  
 P.T. Station 752+31.5647 N 1,734,713.0348 E 2,119,985.5288  
 C.C. N 1,734,459.2917 E 2,134,674.0557

Course from PT 370 to PC 380 0° 59' 22.85" Dist 2,747.2654'

Curve Data  
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Curve 380  
 P.I. Station 780+82.6879 N 1,737,563.7327 E 2,120,034.7744  
 Delta = 5° 56' 44.98" (RT)  
 Degree = 2° 51' 54.20"  
 Tangent = 103.8578'  
 Length = 207.5292'  
 Radius = 1,999.8131'  
 External = 2.6950'  
 Long Chord = 207.4360'  
 Mid. Ord. = 2.6914'  
 P.C. Station 779+78.8301 N 1,737,459.8904 E 2,120,032.9805  
 P.T. Station 781+86.3593 N 1,737,666.8305 E 2,120,047.3154  
 C.C. N 1,737,425.3489 E 2,122,032.4953

Curve Data  
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Curve 390  
 P.I. Station 784+48.2293 N 1,737,926.7844 E 2,120,078.9368  
 Delta = 35° 49' 57.37" (RT)  
 Degree = 7° 04' 25.51"  
 Tangent = 261.8700'  
 Length = 506.5573'  
 Radius = 809.9773'  
 External = 41.2801'  
 Long Chord = 498.3423'  
 Mid. Ord. = 39.2783'  
 P.C. Station 781+86.3593 N 1,737,666.8305 E 2,120,047.3154  
 P.T. Station 786+92.9165 N 1,738,119.0253 E 2,120,256.7552  
 C.C. N 1,737,569.0241 E 2,120,851.3659

Curve Data  
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Curve 1200  
 P.I. Station 788+03.3965 N 1,738,200.1295 E 2,120,331.7747  
 Delta = 10° 06' 09.74" (RT)  
 Degree = 4° 35' 02.65"  
 Tangent = 110.4800'  
 Length = 220.3872'  
 Radius = 1,249.8887'  
 External = 4.8733'  
 Long Chord = 220.1018'  
 Mid. Ord. = 4.8543'  
 P.C. Station 786+92.9165 N 1,738,119.0253 E 2,120,256.7552  
 P.T. Station 789+13.3037 N 1,738,266.8168 E 2,120,419.8578  
 C.C. N 1,737,270.3098 E 2,121,174.3083

Course from PT 1200 to PC 1210 52° 52' 14.94" Dist 1,453.2351'

Curve Data  
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Curve 1210  
 P.I. Station 807+91.8689 N 1,739,400.7453 E 2,121,917.5938  
 Delta = 24° 58' 57.52" (RT)  
 Degree = 2° 59' 03.43"  
 Tangent = 425.3300'  
 Length = 837.1397'  
 Radius = 1,919.9158'  
 External = 46.5486'  
 Long Chord = 830.5238'  
 Mid. Ord. = 45.4468'  
 P.C. Station 803+66.5389 N 1,739,144.0101 E 2,121,578.4882  
 P.T. Station 812+03.6786 N 1,739,490.2401 E 2,122,333.4018  
 C.C. N 1,737,613.3062 E 2,122,737.3765

Course from PT 1210 to PC 1220 77° 51' 12.46" Dist 177.4690'

Curve Data  
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Curve 1220  
 P.I. Station 822+68.9875 N 1,739,714.3947 E 2,123,374.8613  
 Delta = 23° 19' 41.13" (RT)  
 Degree = 1° 19' 55.96"  
 Tangent = 887.8400'  
 Length = 1,751.0820'  
 Radius = 4,300.8065'  
 External = 90.6849'  
 Long Chord = 1,739.0120'  
 Mid. Ord. = 88.8122'  
 P.C. Station 813+81.1475 N 1,739,527.5819 E 2,122,506.8977  
 P.T. Station 831+32.2295 N 1,739,542.2261 E 2,124,245.8480  
 C.C. N 1,735,323.0591 E 2,123,411.8421

Course from PT 1220 to PC 1230 101° 10' 53.59" Dist 1,766.2660'

Curve Data  
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Curve 1230  
 P.I. Station 853+02.8755 N 1,739,121.2977 E 2,126,375.2900  
 Delta = 2° 34' 54.96" (LT)  
 Degree = 0° 19' 09.48"  
 Tangent = 404.3800'  
 Length = 808.6231'  
 Radius = 17,944.1893'  
 External = 4.5559'  
 Long Chord = 808.5547'  
 Mid. Ord. = 4.5547'  
 P.C. Station 848+98.4955 N 1,739,199.7145 E 2,125,978.5861  
 P.T. Station 857+07.1186 N 1,739,060.8313 E 2,126,775.1237  
 C.C. N 1,756,803.2808 E 2,129,458.2963

Course from PT 1230 to PC 1240 98° 35' 58.63" Dist 4,700.8764'

Curve Data  
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Curve 1240  
 P.I. Station 910+39.5750 N 1,738,263.4756 E 2,132,047.6293  
 Delta = 6° 15' 36.76" (LT)  
 Degree = 0° 29' 45.93"  
 Tangent = 631.5800'  
 Length = 1,261.9031'  
 Radius = 11,549.4065'  
 External = 17.2561'  
 Long Chord = 1,261.2755'  
 Mid. Ord. = 17.2304'  
 P.C. Station 904+07.9950 N 1,738,357.9150 E 2,131,423.1499  
 P.T. Station 916+69.8982 N 1,738,237.6951 E 2,132,678.6829  
 C.C. N 1,749,777.4759 E 2,133,150.1185

Course from PT 1240 to PC 1250 92° 20' 21.87" Dist 2,812.1003'

Curve Data  
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Curve 1250  
 P.I. Station 947+58.0685 N 1,738,111.6390 E 2,135,764.2794  
 Delta = 2° 06' 32.04" (LT)  
 Degree = 0° 22' 55.18"  
 Tangent = 276.0700'  
 Length = 552.0777'  
 Radius = 14,999.1634'  
 External = 2.5404'  
 Long Chord = 552.0465'  
 Mid. Ord. = 2.5400'  
 P.C. Station 944+81.9985 N 1,738,122.9079 E 2,135,488.4395  
 P.T. Station 950+34.0761 N 1,738,110.5283 E 2,136,040.3472  
 C.C. N 1,753,109.5703 E 2,136,100.6908

Course from PT 1250 to PC 1260 90° 13' 49.83" Dist 6,882.4138'

Curve Data  
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Curve 1260  
 P.I. Station 1023+32.7499 N 1,738,081.1648 E 2,143,338.9619  
 Delta = 24° 42' 55.96" (LT)  
 Degree = 3° 00' 56.42"  
 Tangent = 416.2600'  
 Length = 819.5703'  
 Radius = 1,899.9347'  
 External = 45.0651'  
 Long Chord = 813.2307'  
 Mid. Ord. = 44.0210'  
 P.C. Station 1019+16.4899 N 1,738,082.8395 E 2,142,922.7053  
 P.T. Station 1027+36.0602 N 1,738,253.6861 E 2,143,717.7875  
 C.C. N 1,739,982.7588 E 2,142,930.3490

Course from PT 1260 to PC 1270 65° 30' 53.87" Dist 179.8051'

Curve Data  
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Curve 1270  
 P.I. Station 1032+46.4853 N 1,738,465.2346 E 2,144,182.3098  
 Delta = 13° 14' 05.68" (RT)  
 Degree = 2° 00' 37.72"  
 Tangent = 330.6200'  
 Length = 658.2972'  
 Radius = 2,849.8605'  
 External = 19.1140'  
 Long Chord = 656.8346'  
 Mid. Ord. = 18.9866'  
 P.C. Station 1029+15.8653 N 1,738,328.2073 E 2,143,881.4226  
 P.T. Station 1035+74.1625 N 1,738,529.7361 E 2,144,506.5769  
 C.C. N 1,735,734.6360 E 2,145,062.5632

Course from PT 1270 to 4528 78° 44' 59.55" Dist 1,140.9116'

Point 4528 N 1,738,752.3193 E 2,145,625.5657 Sta 1047+15.0741

Ending chain IL92 description

FILE NAME =	USER NAME = hensonke	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>HVC SHEET</b>	F.A.P. RATE = 599	SECTION = 103MFT-T	COUNTY = ROCK ISLAND	TOTAL SHEETS = 55	SHEET NO. = 16
ct\pwwork\PWIDOT\HENSONKE\dms34329\d16801hvc.dgn		DRAWN -	REVISED -							
PLOT SCALE = 1250.0000' / IN.		CHECKED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.
PLOT DATE = Wed Dec 03 14:40:21 2008		DATE -	REVISED -							ILLINOIS FED. AID PROJECT
CONTRACT NO. 64737										